

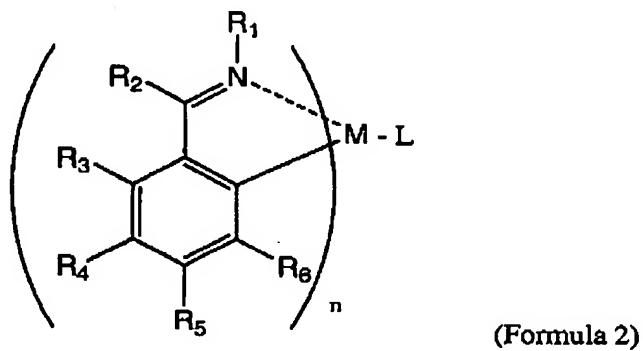
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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An organometallic complex represented by the following general formula 2[[:]],



wherein R₁ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group or a substituted heterocyclic group[[:]],

wherein R₂ is hydrogen, an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group[[:]],

wherein each of R₃, R₄, R₅, and R₆ may be is identical with each other or different[[,] from each other and are individually is hydrogen, halogen, an alkyl group, an alkoxy group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group[[:]],

wherein M is an element of Group 9 or an element of Group 10, and

wherein n [=] is 2 when the M is the element of Group 9 or n [=] is 1 when the M is the element of Group 10[[:]], and

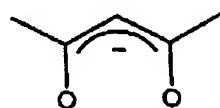
wherein L is a monoanionic ligand having a β -diketone structure, a monoanionic bidentate ligand having a carboxyl group, or a monoanionic bidentate ligand having a phenolic hydroxyl group).

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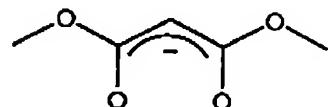
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2. (Original) The organometallic complex according to claim 1, wherein the M is iridium or platinum.

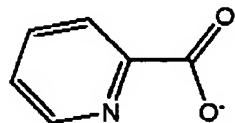
3. (Currently Amended) The organometallic complex according to claim 1 or claim 2, wherein the L is any of monoanionic ligands shown by the following structure formulas 3 to 9[.]:



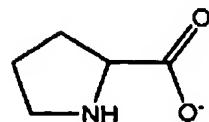
(Formula 3)



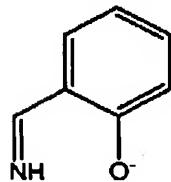
(Formula 4)



(Formula 5)



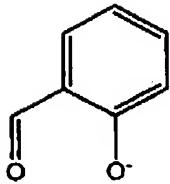
(Formula 6)



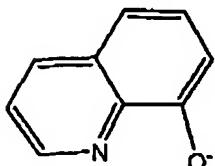
(Formula 7)

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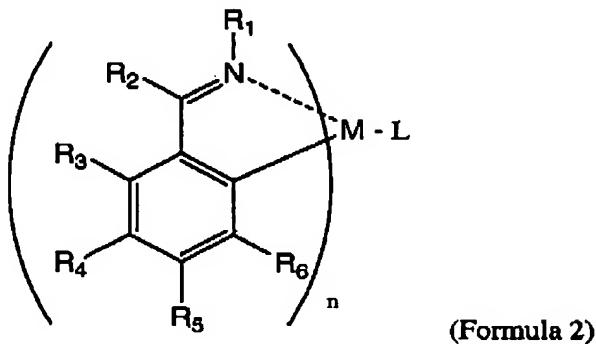
(Formula 8)



(Formula 9)._z

Claims 4-10 (Canceled)

11. (New) A light emitting device comprising:
a first electrode over a substrate;
a light emitting layer comprising an organometallic complex represented by the
following general formula 2, over the first electrode;



a second electrode over the light emitting layer,
wherein R_1 is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group or a substituted heterocyclic group,
wherein R_2 is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,
wherein each of R_3 , R_4 , R_5 , and R_6 is identical with each other or different from each

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other, and is hydrogen, halogen, an alkyl group, an alkoxy group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,

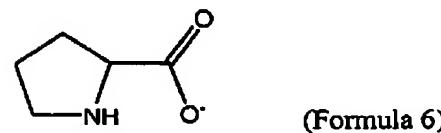
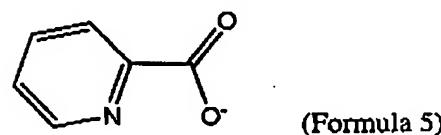
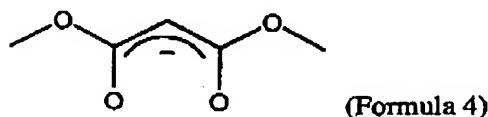
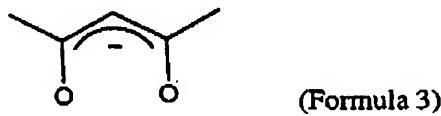
wherein M is an element of Group 9 or an element of Group 10,

wherein n is 2 when the M is the element of Group 9 or n is 1 when the M is the element of Group 10, and

wherein L is a monoanionic ligand having a β -diketone structure, a monoanionic bidentate ligand having a carboxyl group, or a monoanionic bidentate ligand having a phenolic hydroxyl group.

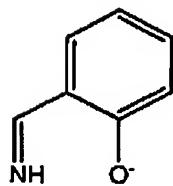
12. (New) The light emitting device according to claim 11, wherein the M is iridium or platinum.

13. (New) The light emitting device according to claim 11, wherein the L is any of monoanionic ligands shown by the following structure formulas 3 to 9:

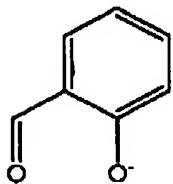


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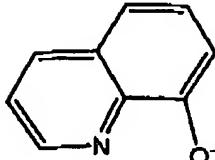
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(Formula 7)



(Formula 8)



(Formula 9).

14. (New) A light emitting device according to claim 11, wherein the light emitting device is incorporated into an electronic device selected from the group consisting of a video camera, a digital camera, a goggle-type display, a navigation system, a sound reproduction device, a laptop personal computer, a game machine, a mobile computer, a mobile phone, a portable game machine, an electronic book, and an image reproduction device.

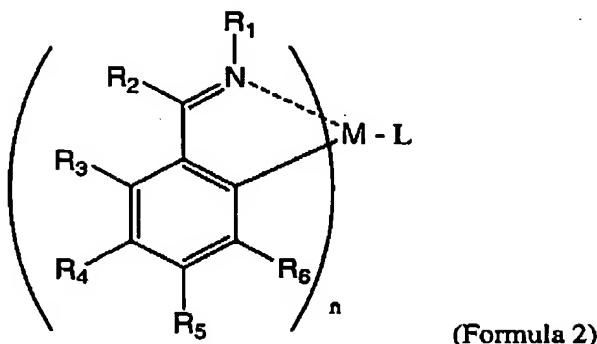
15. (New) A light emitting device according to claim 11, wherein a hole injection layer comprising a polymer material is formed adjacent to the light emitting layer.

16. (New) A light emitting device according to claim 11, wherein a hole injection layer comprising a low molecular weight is formed adjacent to the light emitting layer.

17. (New) A light emitting device comprising:
a thin film transistor over a substrate;
an interlayer insulating film over the thin film transistor;
a first electrode electrically connected to the thin film transistor, over the interlayer insulating film;
a light emitting layer comprising an organometallic complex represented by the
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following general formula 2, over the first electrode;



a second electrode over the light emitting layer,

wherein R₁ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group or a substituted heterocyclic group,

wherein R₂ is an alkyl group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,

wherein each of R₃, R₄, R₅, and R₆ is identical with each other or different from each other, and is hydrogen, halogen, an alkyl group, an alkoxyl group, an aryl group, a substituted aryl group, a heterocyclic group, or a substituted heterocyclic group,

wherein M is an element of Group 9 or an element of Group 10,

wherein n is 2 when the M is the element of Group 9 or n is 1 when the M is the element of Group 10, and

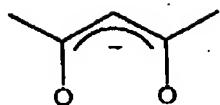
wherein L is a monoanionic ligand having a β -diketone structure, a monoanionic bidentate ligand having a carboxyl group, or a monoanionic bidentate ligand having a phenolic hydroxyl group.

18. (New) The organometallic complex according to claim 17, wherein the M is iridium or platinum.

19. (New) The organometallic complex according to claim 17, wherein the L is any of monoanionic ligands shown by the following structure formulas 3 to 9:

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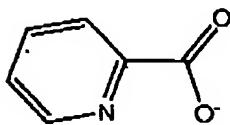
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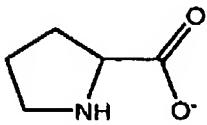
(Formula 3)



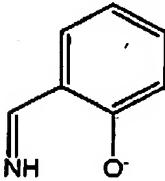
(Formula 4)



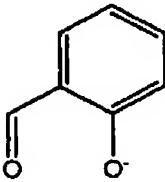
(Formula 5)



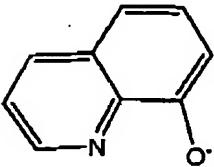
(Formula 6)



(Formula 7)



(Formula 8)



(Formula 9).

20. (New) A light emitting device according to claim 17, wherein the light emitting device is incorporated into an electronic device selected from the group consisting of a video camera, a digital camera, a goggle-type display, a navigation system, a sound reproduction

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device, a laptop personal computer, a game machine, a mobile computer, a mobile phone, a portable game machine, an electronic book, and an image reproduction device.

21. (New) A light emitting device according to claim 17, wherein a hole injection layer comprising a polymer material is formed adjacent to the light emitting layer.

22. (New) A light emitting device according to claim 17, wherein a hole injection layer comprising a low molecular weight is formed adjacent to the light emitting layer.

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